Notice of Allowability    10/600,988					
Notice of Allowability    Examiner   Michael t Tran   2818		Application No.	Applicant(s)		
### All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith or previously mailed, a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initial of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. ☑ This communication is responsive to *communications Ried September 24, 2004.  2. ☑ The allowed claim(s) is/are *1-19.  3. ☑ The drawings filed on *24 September 2004* are accepted by the Examiner.  4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in Application No. ☐ .  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the international Bureau (PCT Rule 17.2(a)).  **Certified copies not received: ☐ *  Applicant has THIREE MONTHS FROM THE *MAILING DATE* of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached 1) ☐ here for 2) ☐ to Paper No./Mail Date ☐ the Notice of Paper No./Mail Date ☐ the Notice of References Cited (PTO-892)	AL 41	10/600,988	CERMEA, RAUL-ADRIAN		
### The MAILING DATE of this communication appears on the cover sheet with the correspondence address—All claims being allowable. PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith for previously mailed, a Notice of Molwance (PTOL-59) or other appropriate communication with ber mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initial of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.  1. ☑ This communication is responsive to communications filed September 24, 2004.  2. ☑ The allowed claim(s) is/are 1-19.  3. ☑ The drawings filed on 24 September 2004 are accepted by the Examiner.  4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) ☐ All b) ☐ Some* c) ☐ None of the:  1. ☐ Certified copies of the priority documents have been received.  2. ☐ Certified copies of the priority documents have been received in his national stage application from the International Bureau (PCT Rule 17.2(a)).  * Certified copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THEEE MONTHS FROM THE *MAILING DATE* of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.  6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.  (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached  10 ☐ Induding changes required by the Notice of Draftsperson's Patent Drawing Revie	Notice of Allowability	Examiner	Art Unit		
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Art Unit: 2818

## **DETAILED ACTION**

1. In response to the Communication dated September 24, 2004, claims 1-19 are active in this application.

## Allowable Subject Matter

- 2. Claims 1-19 are allowable over the prior art of record.
- 3. The following is an Examiner's statement of reasons for the indication of allowable subject matter: the prior art of records does not show (in addition to other elements in the claim) the following:
  - \* Reducing hot electron generation, without changing the programming voltage or the constant current, in response to increasing charge level of the charge storage unit such that generation of hot electrons ceases, or substantially ceases, when the level of charge in the charge storage unit reaches within a margin of the predetermined level.
  - ❖ Applying a data-dependant voltage to the source of the first transistor sufficient to initially produce hot electrons in the first transistor for programming the charge storage unit so that as the charge storage unit becomes charged hot electron production is reduced and charging of the charge storage unit is reduced.
  - ❖ A current mirror circuit that forms a current mirror with a first transistor of the memory cell to provide a constant current through the first transistor of the memory cell; and a data dependant voltage supply connected to said memory cell.

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\* Reducing the production of hot electrons in response to the charging of the charge storage

unit such that hot electrons cease to be produced as the charge level approaches the target

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level.

4. Any comments considered necessary by applicant must be submitted no later than

the payment of the Issue Fee and, to avoid processing delays, should preferably accompany the

Issue Fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for

Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Michael T. Tran whose telephone number is (571) 272-1795.

6. Any inquiry of a general nature or relating to the status of this application should be

directed to Group receptionist whose telephone number is (571) 272-1650.

Michael T. Tran

December 3, 2004